

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/642,272  
Source: IFW3  
Date Processed by STIC: 7/7/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



IFWO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/642,272

DATE: 07/07/2005  
TIME: 12:14:55

Input Set : A:\EP.txt  
Output Set: N:\CRF4\07072005\J642272.raw

2 <110> APPLICANT: SUNTORY LIMITED  
3 SUNTORY BIOMEDICAL RESEARCH LIMITED  
W--> 4 <120> TITLE OF INVENTION: THERAPEUTIC METHODS AND AGENTS FOR DISEASES ASSOCIATED WITH  
W--> 5 DECREASED EXPRESSION OF AOP-1 GENE OR AOP-1  
W--> 6 <130> FILE REFERENCE: YCT-687  
C--> 7 <140> CURRENT APPLICATION NUMBER: US/10/642,272  
C--> 7 <141> CURRENT FILING DATE: 2003-08-18  
W--> 7 <160> NUMBER OF SEQ ID: 30

pp 1-6, 8

*Does Not Comply  
Corrected Diskette Needed*

## ERRORED SEQUENCES

9 <210> SEQ ID NO: 1  
10 <211> LENGTH: 1542  
E--> 11 <212> TYPE: mRNA *invalid <212> response. The only valid responses are DNA or RNA. For a combined DNA/RNA sequence, use <212> DNA and <220>/<223> section.*  
12 <213> ORGANISM: Homo sapiens  
OK-> 13 <400> SEQUENCE: 1  
14 ctgaagatgg cggctgctgt aggacggttt ctccgagcgt cggttgcgg acatgtgagt 60  
15 gccatttcctt gggcatttc tgccactgca gccctcaggc ctgctgcatt tggaagaacg 120  
16 agcttgacaa atttattgtt ttctggttcc agtcaagcaa aattatttcag caccagttcc 180  
17 tcatgccatg caccctgctgt caccctgat gcaccctatt ttaagggtac agccgttgc 240  
18 aatggagagt tcaaagacct aagccttgc gactttaagg ggaaatattt ggtgttttc 300  
19 ttctatccctt tggatttcac ctgtgtgtt cctacagaaa ttgttgcatt tagtacaaa 360  
20 gctaacaat ttacatgtt gaactgtgaa gttgtcgag tctcgttgc ttccacttt 420  
21 agccatcttg cctggataaa tacaccaaga aagaatggtg gtttggcca catgaacatc 480  
22 gcactcttgtt cagacttaac taagcagatt tcccgagact acgggtgtgtt gtttagaaggt 540  
23 tctggcttgc cactaagagg tctcttcata attgacccca atggagtcatt caagcatttg 600  
24 agcgtcaacg atctcccaat gggccgaagc gtggaaagaaa ccctccgcatt ggtgaaggcg 660  
25 ttccaggatgt tagaaacaca tggagaagtc tgcccagcga actggacacc ggattctcct 720  
26 acgatcaagc caagtccaggc tgcttccaaa gagtacttgc agaaggtaaa tcagtagatc 780  
27 acccatgtgtt atctgcaccc tctcaactga gagaagaacc acagttgaaa cctgtttta 840  
28 tcattttcaa gatggattt tggtaaggc aaggaaccaa ttatgtttt attcataatgt 900  
29 attactctaa atgtttttt tttgttattc tggctaggac cttttaaaca tggtttagttt 960  
30 cttagtacagg aatcgtttat tggtaacatc ttgggtggctg gctagcttagt ttctacagaa 1020  
31 cataatttgc ctctatagaa ggctattctt agatcatgtc tcaatggaaa cacttttca 1080  
32 tcttagccctt acttgcattt tgcctataat aaagtagagc aacacacatt gaaagcttct 1140  
33 gatcaacggc cctgaaattt tcatcttgcatt tggctttgtt taaaactgaa ttttcttta 1200  
34 agctaacaaa gatcataatt tcaatgtt agccgtgtt ctcctgcattt gatgtttat 1260  
35 gtgattgaag caaatgtgaa tggattttt tttttttttt gttttttttt gttttttttt 1320  
36 atgcattgtt cctcatccctt gaaatttgat tttttttttt tttttttttt tttttttttt 1380  
37 tagctactt tggctatgtt tttttttttt tttttttttt tttttttttt tttttttttt 1440  
38 atttatcaaaa tccagggtt gcatattttttt tttttttttt tttttttttt tttttttttt 1500  
39 attgtaaaaac atacaataaa catattttttt tttttttttt tttttttttt tttttttttt 1542

RAW SEQUENCE LISTING  
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Input Set : A:\EP.txt  
Output Set: N:\CRF4\07072005\J642272.raw

41. <210> SEQ ID NO: 2  
 42 <211> LENGTH: 1433  
 E--> 43 <212> TYPE: mRNA *sense error*  
 44 <213> ORGANISM: Rattus norvegicus  
 W--> 45 <400> SEQUENCE: 2  
 46 gctatcgtgg ctcttgcgtt ctctgaagat ggcggcagct gcgggaagg tgcgtcggtc 60  
 47 ctcgggtggct cggcctgcga gcaactat tttt ccggagtatt tctgcctcaa cagttcttag 120  
 48 gcctgttgc tctagaagaa cctgcttgac agacatgctg tggctcgct gtccccaagc 180  
 E--> 49 aaagtttgc *more line up*  
 50 ttttagcacca gtttttcatt ccacaccctt gctgtcaccc agcatgcgcc 240  
 51 ccattttaaa ggtactgctg ttgtcaatgg agagtcaaa gagctgagtc tcgacgactt 300  
 52 taaggggaaa tacttgggtc ttttcttcta cccttggat ttcacatttgc tgggtcctac 360  
 53 agaaattgtt gctttcaagt acaaagccaa tgagttcat gacgtaaact gtgaagtagt 420  
 54 tgcggtttct gtggatccc acttcagtc tcttgcctgg atcaacacgc caagaaagaa 480  
 55 tgggtgggttgg ggcacatga acatcacgct gttgtcgac ttaactaagg agatatcccg 540  
 56 agactacgga gtactgttgg aaagtgttgg cattgcgtc agaggtctt tcattattgt 600  
 57 ccctaatttgtt gtcatcaagc acctgagttgtt caatgacctt ccgggtggcc gaagtgttgg 660  
 58 agaaccactc cggttggtaa aggcttcca gtttggag acccatggag aagttgtccc 720  
 59 acccaactgg acaccaggtt cccctacat caagccaatg ccaacagctt caaaagagta 780  
 60 ctttgagaag gtccatcaat aataggatcat cctatgttgc ctgggttacc tgaagcttct 840  
 61 catgccccaaa gagagccccca gctggaatcc tgaagattat ttatagaatg gcaaaaaacct 900  
 62 caccatgtt gtgttataa gtactgttcc atgggttttgc taattttaag acaggtttag 960  
 63 gttaaagggtt ggcacatgtt tccatagctg tccttacttag ggacttcttgc atggctacca 1020  
 64 attctctaca agtgcgttgg ccccatatct tagatcatgtt cttcagaggg ttaagatttc 1080  
 65 ttagcctgcc ctgaagcttgc gtctacatgtt aagtagcaca tagcaccatgtt acttagtggaa 1140  
 66 atgaaaggtagt acatagcgcc aacacttagt gaaatgaaatg agcatatagt ggcacactt 1200  
 67 agtggaaatgt tctgatcaag gtcgttggat ttccttgcattt attatgttgc 1260  
 68 attttccattt attttttagt gtgttgcattt actcactgtt ctttgcattt ttcttgcattt 1320  
 69 ttgtatgatgtt ataatcatga aggactatgtt ttctaaaaca ctatgttgcattt ttcttgcattt 1380  
 70 caagtgttgg atgttaaagaa taaaaataaa cattaagata aaaaaaaaaaaa aaa 1433  
 72 <210> SEQ ID NO: 3  
 73 <211> LENGTH: 1382  
 E--> 74 <212> TYPE: mRNA  
 75 <213> ORGANISM: mouse  
 W--> 76 <400> SEQUENCE: 3  
 77 ctacttcctcg gatatccgc ctatcggtcc tcttgcgtgc tctgaagatg gcccggcgttgc 60  
 78 cgggaagggtt gctctgttcc tcgggttgcgtt gtcgtcaag tgctat ttttcc cggagtattt 120  
 79 ctgcctcaac agttctttagg cttgttgcgtt ctggaaac ctgtttgaca gacatactgt 180  
 80 ggtctgcgtc tgcccaagga aagtcaatgc ttagcaccatg ttccttgcgtt cacaccctt 240  
 81 ctgtcacccca gcacgcgttcc tattttaaatg gtactgttgc tgcgtcaatggaa gagttcaatggaa 300  
 82 agctgactt cgttgcgttcc aaggaaat acttgggttgc ttttcttgc ctttgcgtt 360  
 83 tcacattttgtt gtgttgcatttca gaaatgttgc ttttgcgttca caaagccat gaaatttgcattt 420  
 84 atgaaactgt tgaagttgtt gcaatgttgc tggatccca cttcgttgc ttttgcgtt 480  
 85 tcaacacacc aagaaagaat ggtgggttgc ggcacatggaa catcacactgtt ttgttgcgtt 540  
 86 taactaaggca gatatccgc gactacggag tgctgttggaa aagtgttggc attgcacttca 600  
 87 gaggtcttcc tattttgttgc ctttgcgttca gaaatgttgc ttttgcgttca aacgacccat 660  
 88 cgggtggccgg cgttgcgttggaa gaaacactcc gtttggtaaa ggcgttccag ttttgcgtt 720  
 89 cccatggaga agtctggccca gccaactggaa caccagatgc ccctacatgtt aagccaatgtt 780  
 90 caacagcttccaa caaagatgtt ttttgcgttca ggcacatggaa ttttgcgttca 840

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/642,272

DATE: 07/07/2005  
TIME: 12:14:55

Input Set : A:\EP.txt  
Output Set: N:\CRF4\07072005\J642272.raw

91 tacctgaagc ttttcaggcc aaaaaagagc cccagctgga atccttcaa tgccttgaag 900  
 92 attatttata gaatggaaa acctcattat gtttgtttt ataagtactg ctccacaggc 960  
 93 tttgttaattc taagacaggt tcaggctctc taaagggtggc tagctgcttc catagctgcc 1020  
 94 cttacttaggg acttcttggt ggctaaccaa ttctccccga gtgctttgcc cccatttctt 1080  
 95 ggatcatgtc ctttaggggt aagcatttctt tcccttagcc tgccctgaac cttggtctac 1140  
 96 agtgaagtag cacatagtgc cagtaacttgg taaaaatgaag tagcacatag caccagca 1200  
 97 taatggaagc ttctgtatcaa ggtcctaaaaa tttcccttgg aatttttgg aattatgctg 1260  
 98 aatttccctt tttttttttt taaacagtgt ccttgtgtgt tctgaggtat tgaagaggt 1320  
 99 taatcatgaa ggactatgtc taatccataaa gtcatttttcaagagctg gatatataga 1380  
 100 at 1382

218 <210> SEQ ID NO: 7  
 219 <211> LENGTH: 21.  
 220 <212> TYPE: DNA  
 221 <213> ORGANISM: Artificial Sequence  
 W--> 222 <220> FEATURE:  
 W--> 222 <223> OTHER INFORMATION: see p.8 for error explanation  
 W--> 222 <400> SEQUENCE: 7

E--> 223 tgcagtttca gtggattccc a 216 ← per sequence Rules, insert cumulative base total at right margin of each line  
 225 <210> SEQ ID NO: 8  
 226 <211> LENGTH: 18.  
 227 <212> TYPE: DNA  
 228 <213> ORGANISM: Artificial Sequence  
 W--> 229 <220> FEATURE:  
 W--> 229 <223> OTHER INFORMATION: see p.8  
 W--> 229 <400> SEQUENCE: 8

E--> 230 ttcatgtggc ccaaacca 18 ← insert  
 232 <210> SEQ ID NO: 9  
 233 <211> LENGTH: 28  
 234 <212> TYPE: DNA  
 235 <213> ORGANISM: Artificial Sequence  
 W--> 236 <220> FEATURE:  
 W--> 236 <223> OTHER INFORMATION:  
 W--> 236 <400> SEQUENCE: 9

E--> 237 tcttgccctgg atcaacacac caagaaaag 28 ←  
 239 <210> SEQ ID NO: 10  
 240 <211> LENGTH: 22  
 241 <212> TYPE: DNA  
 242 <213> ORGANISM: Artificial Sequence  
 W--> 243 <220> FEATURE:  
 W--> 243 <223> OTHER INFORMATION:  
 W--> 243 <400> SEQUENCE: 10

E--> 244 ccctctgctt gctgtatgtca ct ←  
 246 <210> SEQ ID NO: 11  
 247 <211> LENGTH: 20.  
 248 <212> TYPE: DNA  
 249 <213> ORGANISM: Artificial Sequence  
 W--> 250 <220> FEATURE:  
 W--> 250 <223> OTHER INFORMATION:  
 W--> 250 <400> SEQUENCE: 11

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/642,272

DATE: 07/07/2005  
TIME: 12:14:55

Input Set : A:\EP.txt  
Output Set: N:\CRF4\07072005\J642272.raw

E--> 251 cctgttaagcg atgccctcat ←  
253 <210> SEQ ID NO: 12  
254 <211> LENGTH: 29  
255 <212> TYPE: DNA  
256 <213> ORGANISM: Artificial Sequence  
W--> 257 <220> FEATURE:  
W--> 257 <223> OTHER INFORMATION:  
W--> 257 <400> SEQUENCE: 12  
E--> 258 agcttgtccc agaattacgg cgtgttcaa ←  
260 <210> SEQ ID NO: 13  
261 <211> LENGTH: 19  
262 <212> TYPE: DNA  
263 <213> ORGANISM: Artificial Sequence  
W--> 264 <220> FEATURE:  
W--> 264 <223> OTHER INFORMATION:  
W--> 264 <400> SEQUENCE: 13  
E--> 265 gcggatgaag agaggcatg ←  
267 <210> SEQ ID NO: 14  
268 <211> LENGTH: 18  
269 <212> TYPE: DNA  
270 <213> ORGANISM: Artificial Sequence  
W--> 271 <220> FEATURE:  
W--> 271 <223> OTHER INFORMATION:  
W--> 271 <400> SEQUENCE: 14  
E--> 272 gccacaccgt cctttcca ←  
274 <210> SEQ ID NO: 15  
275 <211> LENGTH: 23  
276 <212> TYPE: DNA  
277 <213> ORGANISM: Artificial Sequence  
W--> 278 <220> FEATURE:  
W--> 278 <223> OTHER INFORMATION:  
W--> 278 <400> SEQUENCE: 15  
E--> 279 tggagacctg ggcaatgtgg ctg ←  
281 <210> SEQ ID NO: 16  
282 <211> LENGTH: 17  
283 <212> TYPE: DNA  
284 <213> ORGANISM: Artificial Sequence  
W--> 285 <220> FEATURE:  
W--> 285 <223> OTHER INFORMATION:  
W--> 285 <400> SEQUENCE: 16  
E--> 286 acgggtgctc agcctcc ←  
288 <210> SEQ ID NO: 17  
289 <211> LENGTH: 18  
290 <212> TYPE: DNA  
291 <213> ORGANISM: Artificial Sequence  
W--> 292 <220> FEATURE:  
W--> 292 <223> OTHER INFORMATION:  
W--> 292 <400> SEQUENCE: 17  
E--> 293 aggcttgtgc cctgcttc ←

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/642,272

DATE: 07/07/2005  
TIME: 12:14:55

Input Set : A:\EP.txt  
Output Set: N:\CRF4\07072005\J642272.raw

295 <210> SEQ ID NO: 18  
296 <211> LENGTH: 25  
297 <212> TYPE: DNA  
298 <213> ORGANISM: Artificial Sequence  
W--> 299 <220> FEATURE:  
W--> 299 <223> OTHER INFORMATION:  
W--> 299 <400> SEQUENCE: 18  
E--> 300 cagcctgcac tgaggagatc cctca ←  
302 <210> SEQ ID NO: 19  
303 <211> LENGTH: 28  
304 <212> TYPE: DNA  
305 <213> ORGANISM: Artificial Sequence  
W--> 306 <220> FEATURE:  
W--> 306 <223> OTHER INFORMATION:  
W--> 306 <400> SEQUENCE: 19  
E--> 307 aaccgcggtc gtggcttgc cgttctct ←  
309 <210> SEQ ID NO: 20  
310 <211> LENGTH: 30  
311 <212> TYPE: DNA  
312 <213> ORGANISM: Artificial Sequence  
W--> 313 <220> FEATURE:  
W--> 313 <223> OTHER INFORMATION:  
W--> 313 <400> SEQUENCE: 20  
E--> 314 gcgcgttagttt atttatggac cttctcaaag ←  
316 <210> SEQ ID NO: 21  
317 <211> LENGTH: 20  
318 <212> TYPE: DNA  
319 <213> ORGANISM: Artificial Sequence  
W--> 320 <220> FEATURE:  
W--> 320 <223> OTHER INFORMATION:  
W--> 320 <400> SEQUENCE: 21  
E--> 321 ttacagattt ccgcctgctc ←  
323 <210> SEQ ID NO: 22  
324 <211> LENGTH: 20  
325 <212> TYPE: DNA  
326 <213> ORGANISM: Artificial Sequence  
W--> 327 <220> FEATURE:  
W--> 327 <223> OTHER INFORMATION:  
W--> 327 <400> SEQUENCE: 22  
E--> 328 ccagcagtgg aataaggcct ←  
330 <210> SEQ ID NO: 23  
331 <211> LENGTH: 25  
332 <212> TYPE: DNA  
333 <213> ORGANISM: Artificial Sequence  
W--> 334 <220> FEATURE:  
W--> 334 <223> OTHER INFORMATION:  
W--> 334 <400> SEQUENCE: 23  
E--> 335 aatcacgacc cactgcaagg aacca ←  
337 <210> SEQ ID NO: 24

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/642,272

DATE: 07/07/2005  
TIME: 12:14:55

Input Set : A:\EP.txt  
Output Set: N:\CRF4\07072005\J642272.raw

338 <211> LENGTH: 19  
 339 <212> TYPE: DNA  
 340 <213> ORGANISM: Artificial Sequence  
 W--> 341 <220> FEATURE:  
 W--> 341 <223> OTHER INFORMATION:  
 W--> 341 <400> SEQUENCE: 24  
 E--> 342 tgccaccacca actgcttag ←  
 344 <210> SEQ ID NO: 25  
 345 <211> LENGTH: 19  
 346 <212> TYPE: DNA  
 347 <213> ORGANISM: Artificial Sequence  
 W--> 348 <220> FEATURE:  
 W--> 348 <223> OTHER INFORMATION:  
 W--> 348 <400> SEQUENCE: 25  
 E--> 349 ggatgcaggg atgatgttc ←  
 358 <210> SEQ ID NO: 27  
 359 <211> LENGTH: 877  
 E--> 360 <212> TYPE: mRNA  
 361 <213> ORGANISM: Rattus norvegicus  
 W--> 362 <400> SEQUENCE: 27  
 363 gaattcggca cgagggtcggt ccgcgtgtcc ggcttgc caccgacta tggctccgg 60  
 364 caacgcgcac atcggaaagc ctggccctga cttcacgggc accgcccgtgg tggatgggtgc 120  
 365 cttaaggaa atcaagctt cagactacag agggaaagtac gtggctctt ttttctatcc 180  
 366 actggacttc actttgttt gccccacgga gatcatcgct tttagcgacc acgctgagga 240  
 367 ctccgaaag ctaggctcg aggtgctggg agtgtctgtg gactctcagt tcacccaccc 300  
 368 ggcctggatc aataccccac gaaaggaggagg aggcttgggc ccactgaata tccctctgct 360  
 369 tgctgatgtg actaaaagct tggccatggaa ttacggcgat ttggaaaaatg atgagggcat 420  
 370 cgcttacagg ggccttttca tcatcgatgc caaggggtgc cttcgccaga tcacagtcaa 480  
 371 cgacctaccc tggggacgct ctgttagatga ggctctccgc ctcgtccagg ccttctgta 540  
 372 tacagatgag catggggaaag tctgtcctgc tggctggaag cccggcagtg acaccatcaa 600  
 373 acccaatgtg gatgacagca aggaataactt ctccaaacac aactgagatg ggtaaacatc 660  
 374 ggtgagcctg aatccggat ctcacctcgcc ccttacctg gatgtcctgt gctggcccg 720  
 375 aaaacgctag atcttctt acattctaaa ggggtggag gctaggccga ggcttctca 780  
 376 ttacccaccc tggaaatctggt gaatagtgac cctgccctga gcacacccag ctgggcccag 840  
 377 gtctatagga aaccaataaa gtattaggga cagtgtta 877  
 411 <210> SEQ ID NO: 29  
 412 <211> LENGTH: 560  
 E--> 413 <212> TYPE: mRNA  
 414 <213> ORGANISM: Homo sapiens  
 W--> 415 <400> SEQUENCE: 29  
 416 atggcgacga aggccgtgtc cgtgctgaag ggcgacggcc cagtgcaggg catcatcaat 60  
 417 ttcgagcaga agggaaatgtt tggaccaggat aagggtgtgg gaagcatata aggactgact 120  
 418 gaaggcctgc atggattcca tggatcatgat tttggagata atacggcagg ctgtaccagg 180  
 419 gcaggcttc actttaatcc tctatccaga aaacacggtg ggccaaagga tgaagagagg 240  
 420 catgttggag acttggcaa tggactgt gacaaagatg gtgtggccga tggatgttatt 300  
 421 gaagattctg tggatctact ctcaggagac cattgcatca ttggccgcac actgggtggc 360  
 422 catgaaaaag cagatgactt gggcaaaagggt gggaaatgaag aaagtacaaa gacaggaaac 420  
 423 gctggaaatgc gtttggcttg tggatgttatt gggatgcggcc aataaaacatt cccttggatg 480  
 424 tagtctgagg ccccttaact catctgttat cctgcttagt gtagaaatgt atcctgataa 540

*PYI: same error in sequence 26*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/642,272

DATE: 07/07/2005

TIME: 12:14:55

Input Set : A:\EP.txt

Output Set: N:\CRF4\07072005\J642272.raw

425 acattaaaca ctgtaatctt

560

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 07/07/2005  
PATENT APPLICATION: US/10/642,272                   TIME: 12:14:56

Input Set : A:\EP.txt  
Output Set: N:\CRF4\07072005\J642272.raw

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)  
(Sec.1.823 of new Rules)

Seq#: 7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/642,272

DATE: 07/07/2005  
TIME: 12:14:56

Input Set :: A:\EP.txt  
Output Set: N:\CRF4\07072005\J642272.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier  
L:6 M:283 W: Missing Blank Line separator, <130> field identifier  
L:7 M:270 C: Current Application Number differs, Replaced Current Application No  
L:7 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:7 M:283 W: Missing Blank Line separator, <160> field identifier  
L:11 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
L:13 M:283 W: Missing Blank Line separator, <400> field identifier  
L:43 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
L:45 M:283 W: Missing Blank Line separator, <400> field identifier  
L:49 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:190 SEQ:2  
L:74 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
L:76 M:283 W: Missing Blank Line separator, <400> field identifier  
L:106 M:283 W: Missing Blank Line separator, <400> field identifier  
L:144 M:283 W: Missing Blank Line separator, <400> field identifier  
L:183 M:283 W: Missing Blank Line separator, <400> field identifier  
L:222 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>  
ORGANISM:Artificial Sequence  
L:222 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>  
ORGANISM:Artificial Sequence  
L:222 M:283 W: Missing Blank Line separator, <400> field identifier  
L:222 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:222  
L:223 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:7  
L:229 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>  
ORGANISM:Artificial Sequence  
L:229 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>  
ORGANISM:Artificial Sequence  
L:229 M:283 W: Missing Blank Line separator, <400> field identifier  
L:229 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:229  
L:230 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:8  
L:236 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>  
ORGANISM:Artificial Sequence  
L:236 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>  
ORGANISM:Artificial Sequence  
L:236 M:283 W: Missing Blank Line separator, <400> field identifier  
L:236 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:236  
L:237 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:28 SEQ:9  
L:243 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>  
ORGANISM:Artificial Sequence  
L:243 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>  
ORGANISM:Artificial Sequence  
L:243 M:283 W: Missing Blank Line separator, <400> field identifier  
L:243 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:243  
L:244 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:10  
L:250 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>  
ORGANISM:Artificial Sequence  
L:250 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>  
ORGANISM:Artificial Sequence  
L:250 M:283 W: Missing Blank Line separator, <400> field identifier  
L:250 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:250  
L:251 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:11  
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>  
ORGANISM:Artificial Sequence  
L:257 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>

ORGANISM:Artificial Sequence  
L:257 M:283 W: Missing Blank Line separator, <400> field identifier  
L:257 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:257  
L:258 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:29 SEQ:12  
L:264 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>  
ORGANISM:Artificial Sequence  
L:264 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>  
ORGANISM:Artificial Sequence  
L:264 M:283 W: Missing Blank Line separator, <400> field identifier

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/642,272

DATE: 07/07/2005

TIME: 12:14:56

Input Set : A:\EP.txt

Output Set: N:\CRF4\07072005\J642272.raw

L:264 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:264  
L:265 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:13  
L:271 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>  
ORGANISM:Artificial Sequence  
L:271 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>  
ORGANISM:Artificial Sequence  
L:271 M:283 W: Missing Blank Line separator, <400> field identifier  
L:271 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:271  
L:272 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:14  
L:278 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>  
ORGANISM:Artificial Sequence  
L:278 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>  
ORGANISM:Artificial Sequence  
L:278 M:283 W: Missing Blank Line separator, <400> field identifier  
L:278 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:278  
L:279 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:15  
L:285 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>  
ORGANISM:Artificial Sequence  
L:285 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>  
ORGANISM:Artificial Sequence  
L:285 M:283 W: Missing Blank Line separator, <400> field identifier  
L:285 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:285  
L:286 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:17 SEQ:16  
L:292 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>  
ORGANISM:Artificial Sequence  
L:292 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>  
ORGANISM:Artificial Sequence  
L:292 M:283 W: Missing Blank Line separator, <400> field identifier  
L:292 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17,Line#:292  
L:293 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:17  
L:299 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>  
ORGANISM:Artificial Sequence  
L:299 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:18, <213>  
ORGANISM:Artificial Sequence  
L:299 M:283 W: Missing Blank Line separator, <400> field identifier  
L:299 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:18,Line#:299  
L:300 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:25 SEQ:18  
L:306 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:19, <213>  
ORGANISM:Artificial Sequence  
L:306 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:19, <213>  
ORGANISM:Artificial Sequence  
L:306 M:283 W: Missing Blank Line separator, <400> field identifier  
L:306 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:19,Line#:306  
L:307 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:28 SEQ:19  
L:313 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:20, <213>  
ORGANISM:Artificial Sequence  
L:313 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:20, <213>  
ORGANISM:Artificial Sequence  
L:313 M:283 W: Missing Blank Line separator, <400> field identifier  
L:313 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:20,Line#:313  
L:314 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:30 SEQ:20  
L:320 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:21, <213>  
ORGANISM:Artificial Sequence

L:320 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>  
ORGANISM:Artificial Sequence  
L:320 M:283 W: Missing Blank Line separator, <400> field identifier  
L:320 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:320  
L:321 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:21  
L:327 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:22, <213>  
ORGANISM:Artificial Sequence  
L:327 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:22, <213>  
ORGANISM:Artificial Sequence  
L:327 M:283 W: Missing Blank Line separator, <400> field identifier  
L:327 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:22,Line#:327  
L:328 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:22  
L:334 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:23, <213>  
ORGANISM:Artificial Sequence  
L:334 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:23, <213>  
ORGANISM:Artificial Sequence

**VERIFICATION SUMMARY****PATENT APPLICATION: US/10/642,272****DATE: 07/07/2005****TIME: 12:14:56****Input Set : A:\EP.txt****Output Set: N:\CRF4\07072005\J642272.raw**

L:334 M:283 W: Missing Blank Line separator, <400> field identifier  
L:335 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:25 SEQ:23  
L:341 M:283 W: Missing Blank Line separator, <400> field identifier  
L:342 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:24  
L:348 M:283 W: Missing Blank Line separator, <400> field identifier  
L:349 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19' SEQ:25  
L:355 M:283 W: Missing Blank Line separator, <400> field identifier /  
L:356 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:26  
L:360 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
L:362 M:283 W: Missing Blank Line separator, <400> field identifier  
L:383 M:283 W: Missing Blank Line separator, <400> field identifier  
L:413 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:  
L:415 M:283 W: Missing Blank Line separator, <400> field identifier  
L:431 M:283 W: Missing Blank Line separator, <400> field identifier